

TITLE: LIQUID CRYSTAL DISPLAY DEVICE
 INVENTOR: DOUGLAS J. McKNIGHT et al.
 SN: 09/866,038; DATE FILED: 05/24/2001; DOCKET: 006.0056
 ATTY: VINCENT B. INGRASSIA; PHONE: (480) 385-5060

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LC DIRECTOR DESCRIBES
 A LEFT-HANDED
 TWIST THROUGH
 AN ANGLE ϕ

E-VECTOR OF POLARIZED
 LIGHT MAKES ANGLE β
 WITH INPUT DIRECTOR

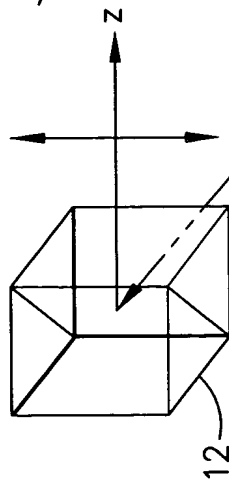
16

POLARIZING
 BEAMSPLITTER

INPUT

POLARIZATION
 E-VECTOR

OBSERVER



12

11

14

LIGHT SOURCE

TRANSPARENT
 SUBSTRATE

REFLECTIVE
 SUBSTRATE

d

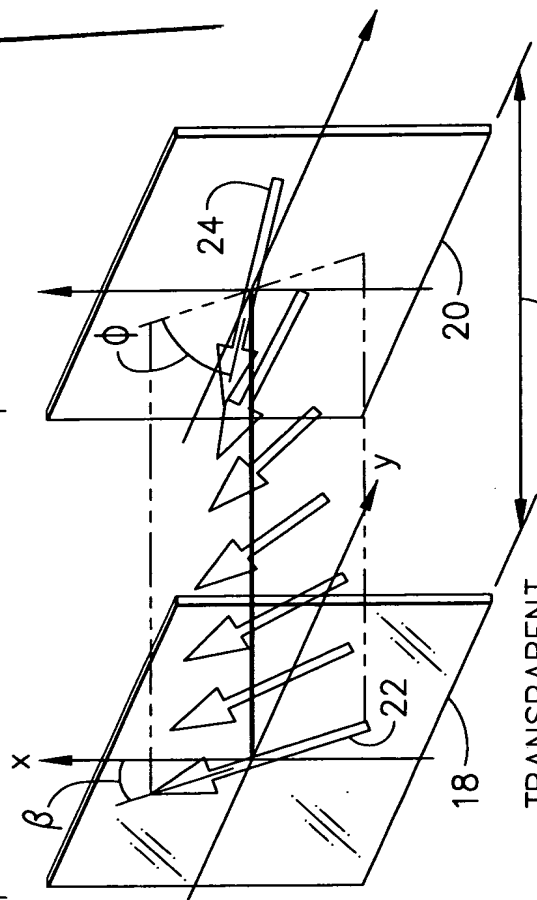
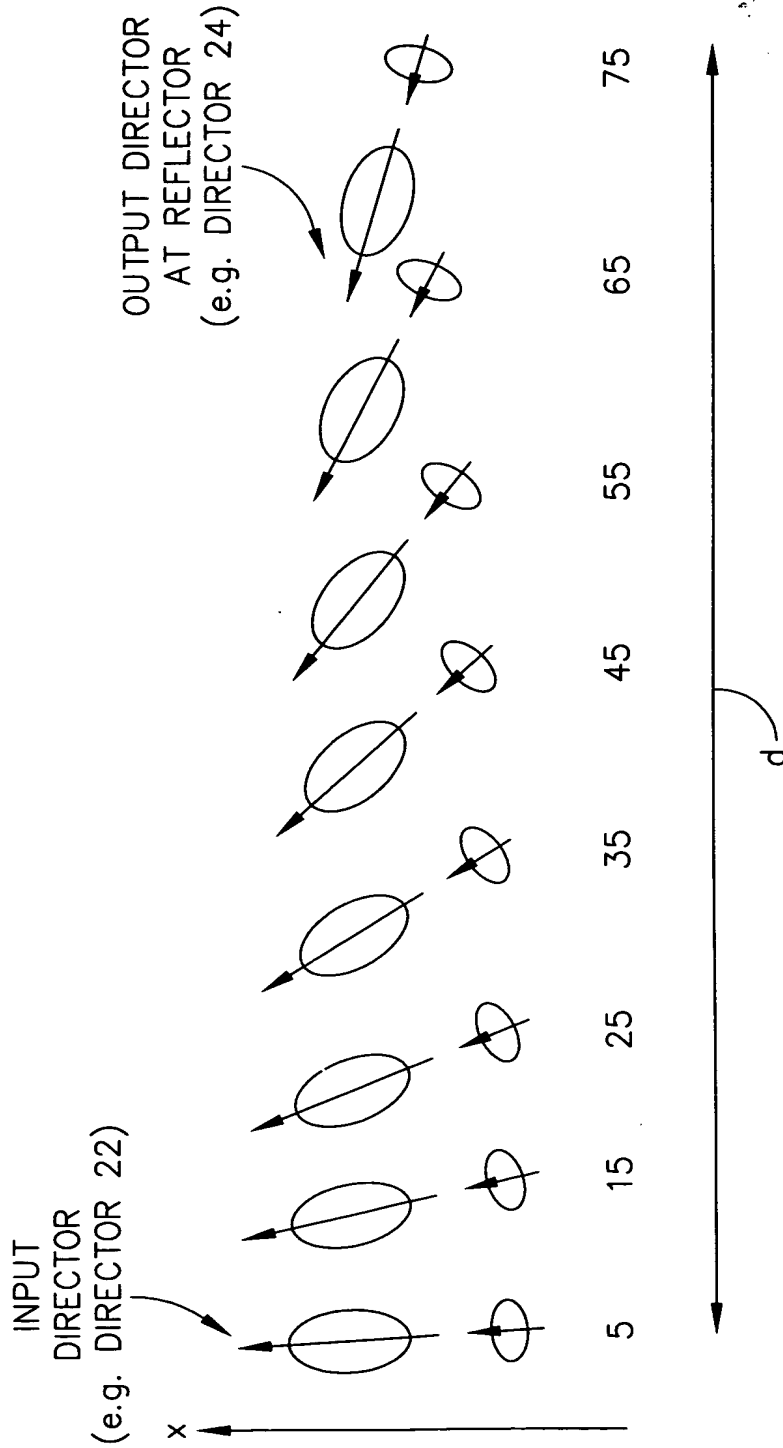


FIG. 1



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FIG. 2



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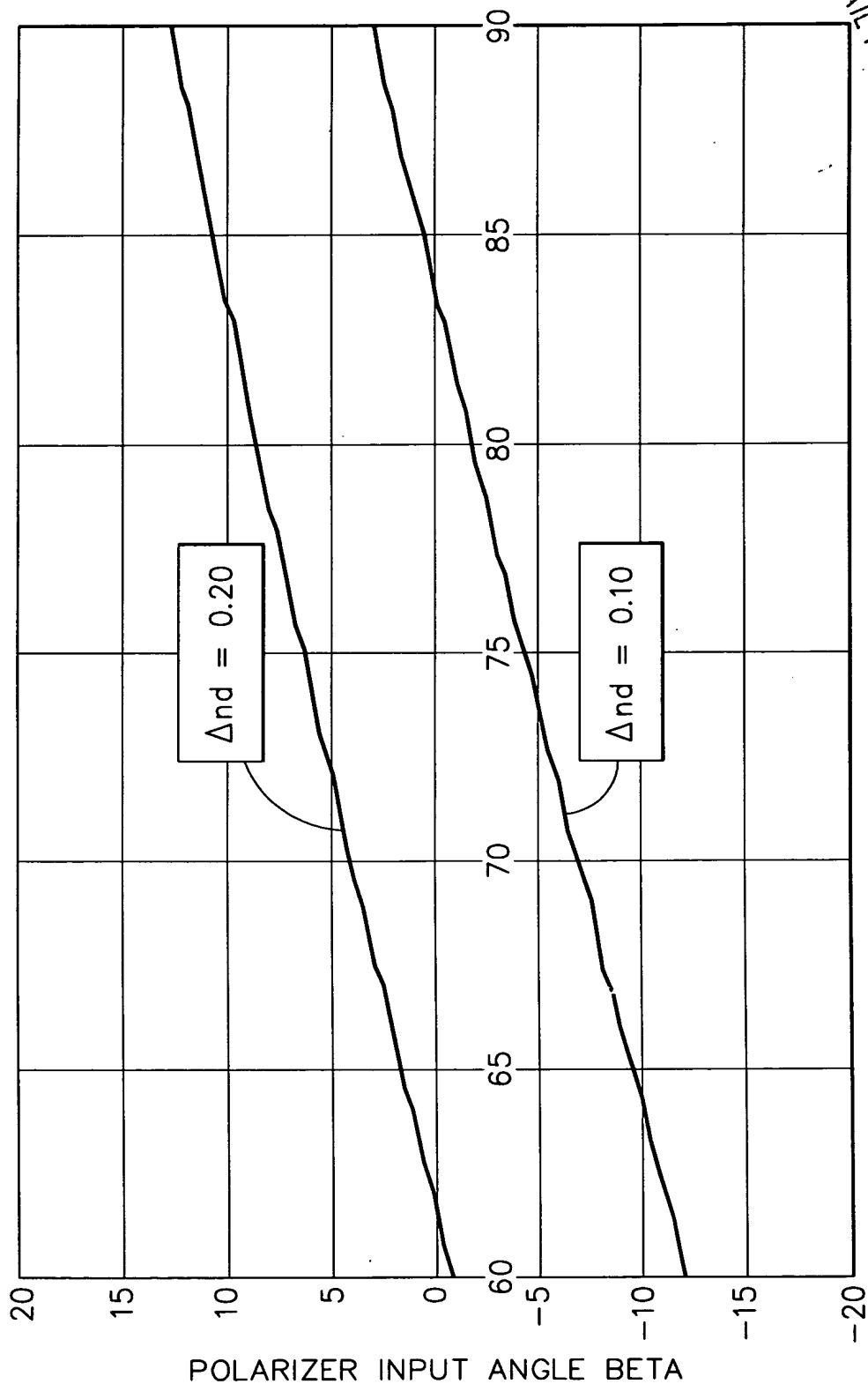


FIG. 3



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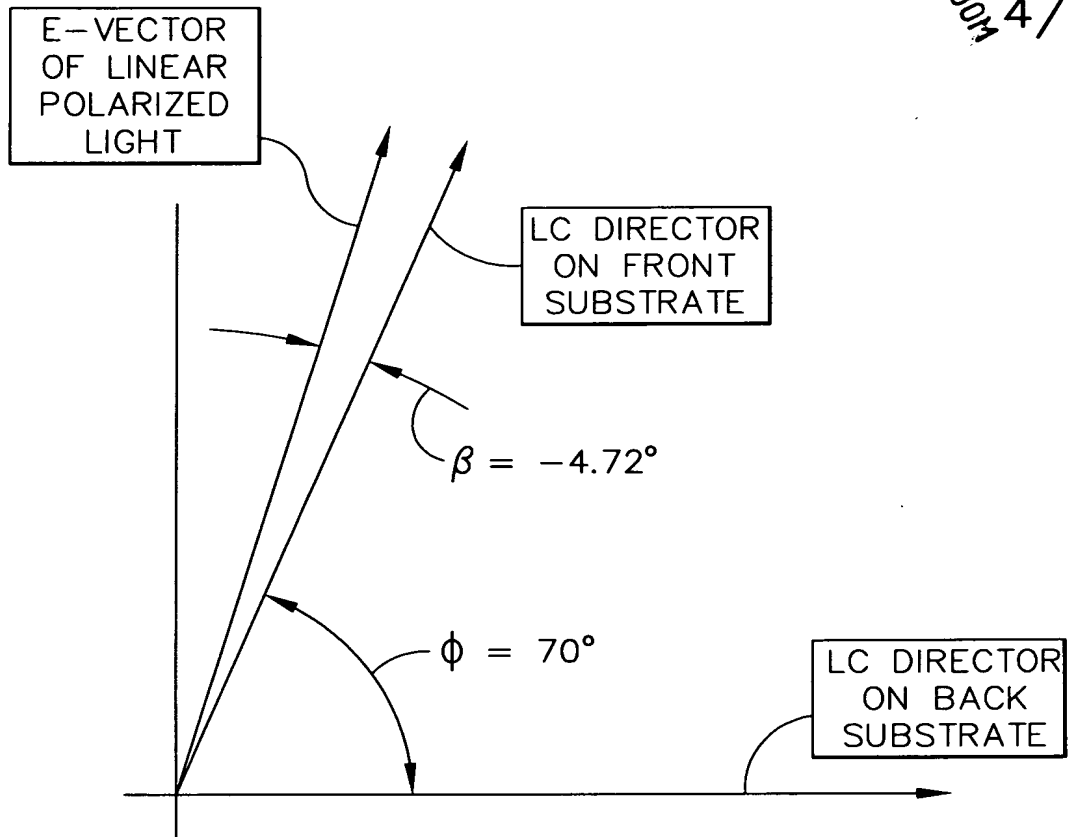


FIG. 4a

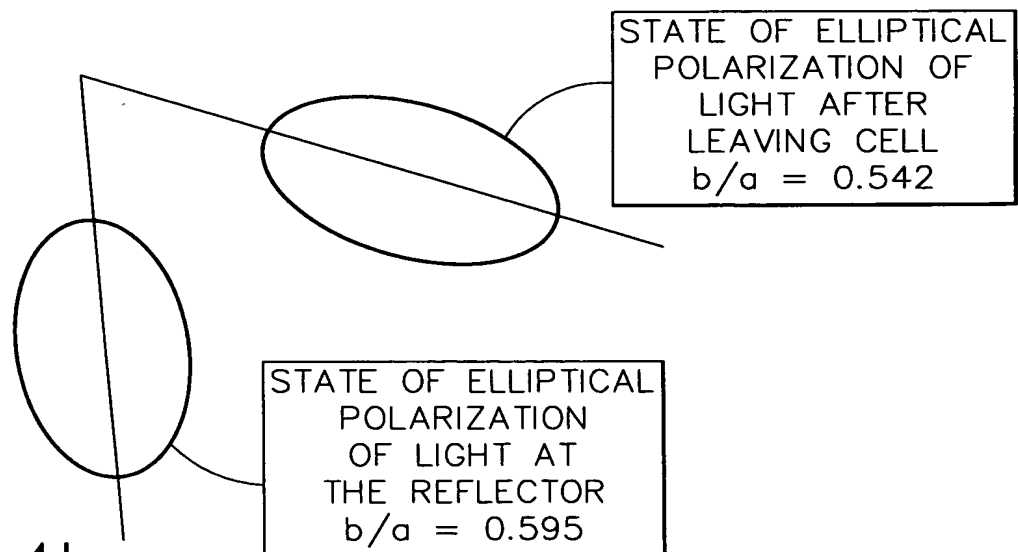
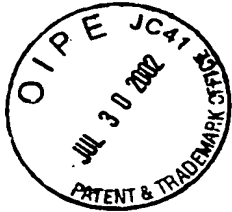


FIG. 4b



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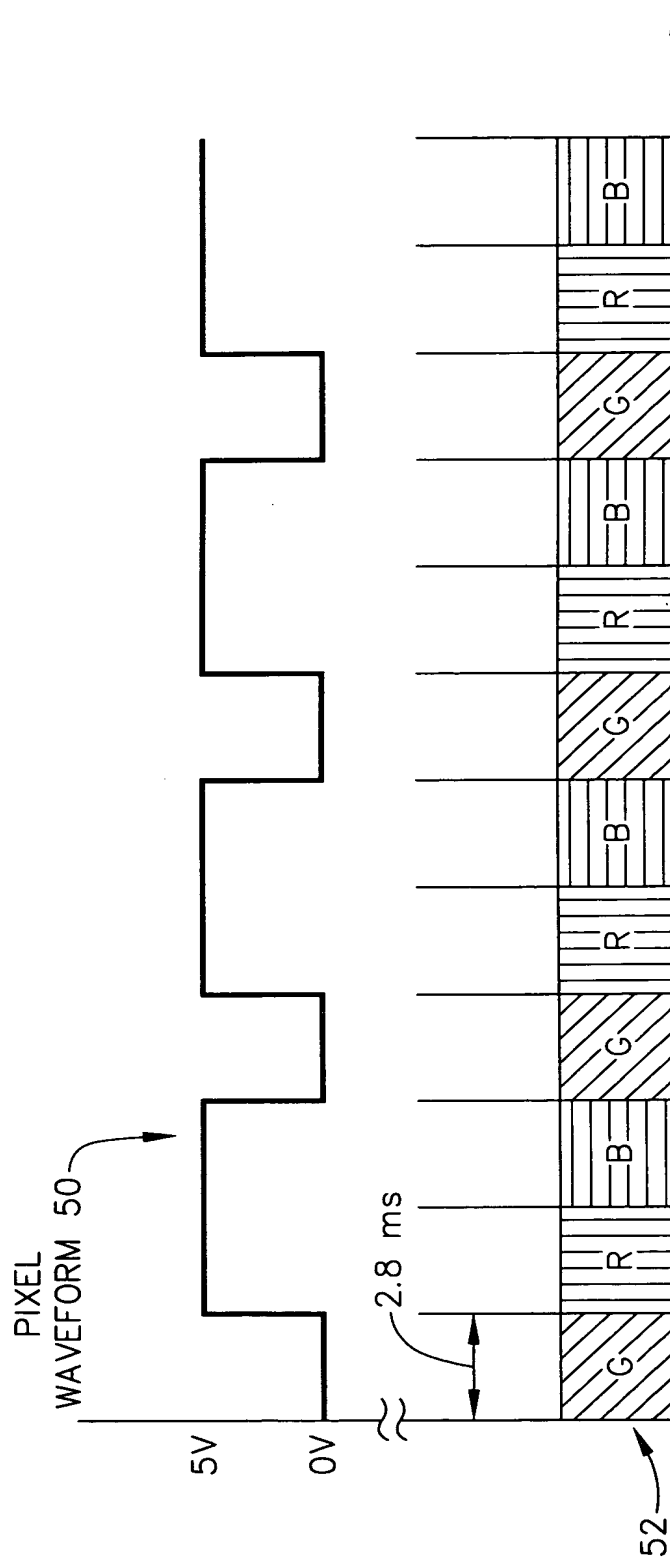


FIG. 5

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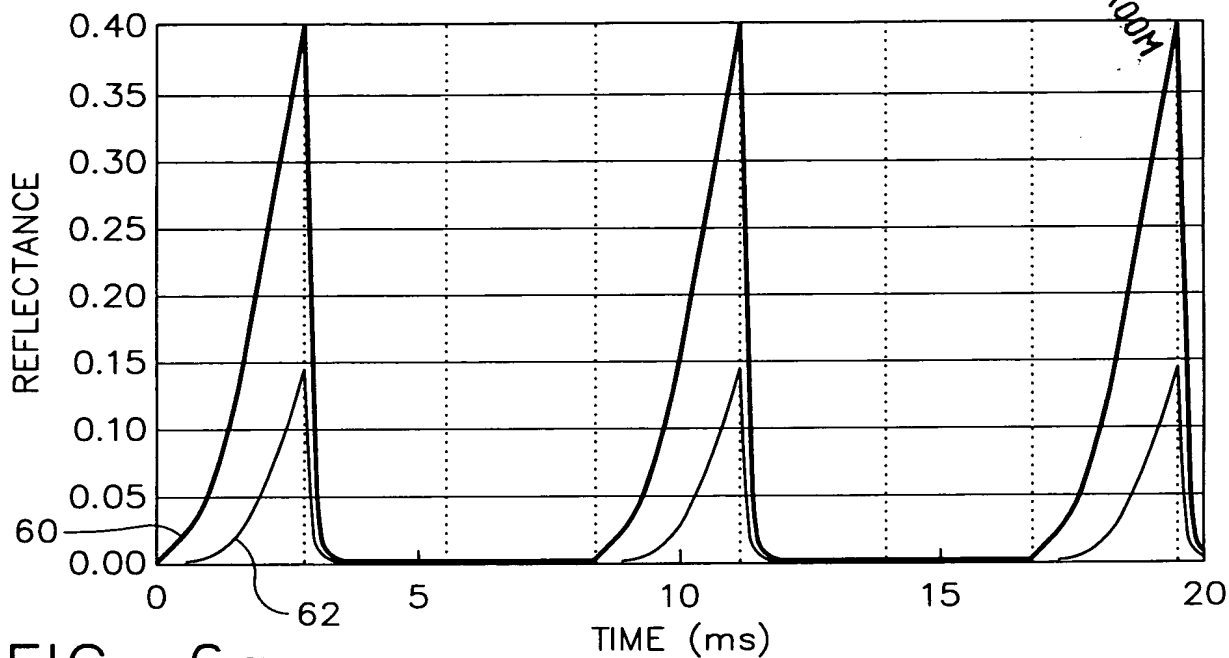


FIG. 6a

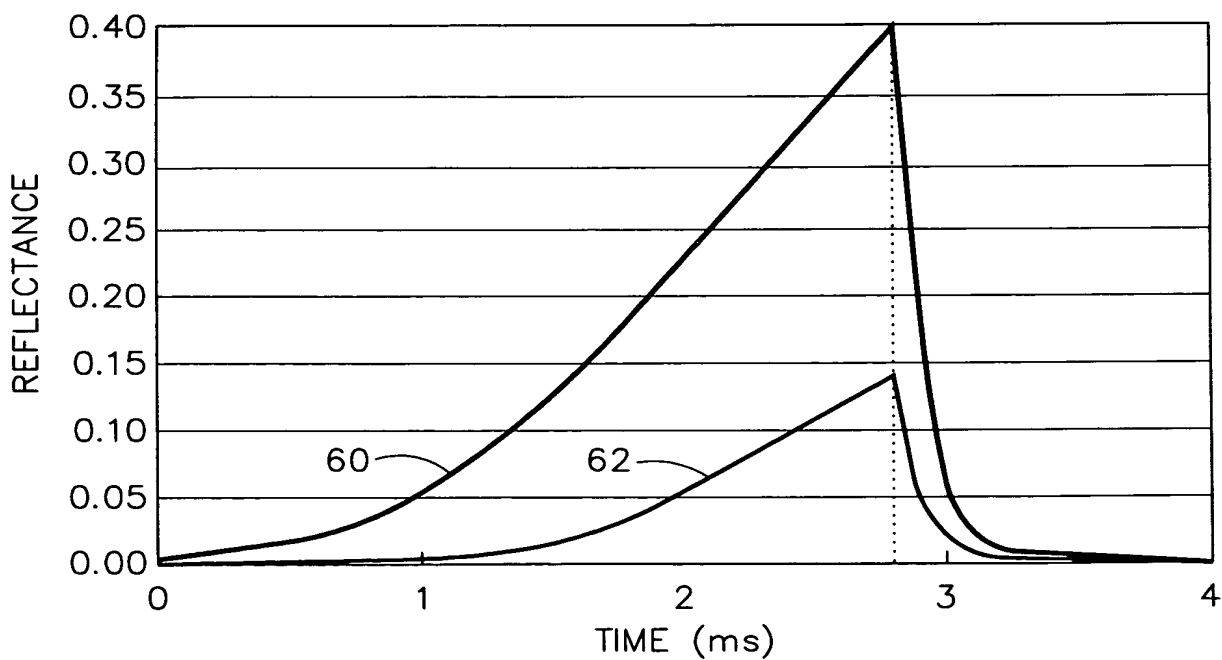
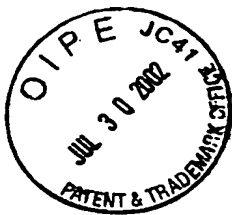


FIG. 6b



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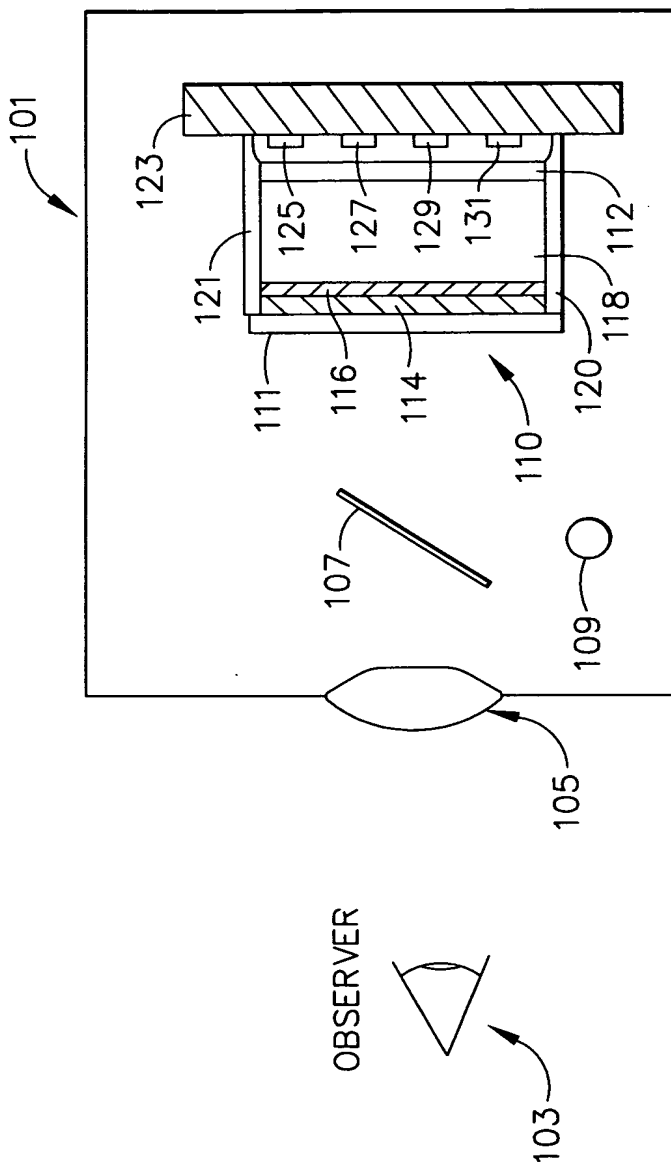


FIG. 7

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